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CLAIMS

1.   A   digital   receiver   arrangement   (28)   comprising   a
tuner/demodulator circuit (14) and analogue-to-digital converting means (16),
5   and further including means (34) for storing an impulse wavelet representation,
means (36) for determining if an interference impulse (24, 26) is present in a
received signal, and means (38, 40) for introducing the stored representation
of the impulse wavelet to the detected received impulse (24, 26) so as to
counteract the effect thereof within the received signal.
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2.   An arrangement as claimed in Claim 1, wherein the means (36)
for determining if an impulse arises comprises comparison means for
comparing the stored impulse wavelet with a wavelet (24, 26) arising in the
received signal.
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3.   An arrangement as claimed in Claim 2, wherein the comparison
means (36) comprises a cross-correlator.

4.   An arrangement as claimed in Claim 2, wherein the comparison
20   means (36) includes optimal filtering means.

5.   An arrangement as claimed in any one of Claims 1-4, wherein
the means for introducing the stored representation to the received signal
includes   subtractor   means   (40)   for   subtracting   the   stored   wavelet
25   representation from the incoming impulse wavelet (24, 26).

6.   An arrangement as claimed in any one of Claims 1-5, and
including means (30) for determining the likely form of impulse wavelet and for
introducing such likely form to the said means for storing an impulse wavelet
30   representation.

7.   An arrangement as claimed in Claim 6, wherein the estimate of the shape of the impulse wavelet is created by means of a test signal.

8.   An arrangement as claimed in any one of Claims 1-5, wherein the means (34) for storing the impulse wavelet is arranged to receive a pre-programmed representation of the wavelength.

9.   An arrangement as claimed in any one of Claims 1-5, and including prediction means for predicting the likely shape of an impulse wavelet for storage within the said means for storing.

10.   An arrangement as claimed in any one of Claims 1-9, and including means (38) for scaling the stored impulse wavelet having regard to characteristics of the impulse wavelet within the received signal.

11.   An arrangement as claimed in Claim 10, wherein the said characteristic comprises at least one of the amplitude and phase of the impulse wavelet within the received signal.

12.   A method of receiving a digital signal including the steps of demodulating the signal, and conducting an analogue-to-digital conversion of the signal, and including the further steps of storing an impulse wavelet representation, determining if an impulse interference event is found within an incoming signal, and introducing the said stored wavelet representation to the received impulse interference event so as to counteract the effect thereof.

13.   A method as claimed in Claim 12, wherein the said step of determining includes comparing the stored wavelet representation with a wavelet within the received signal.

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14.   A method as claimed in Claim 12 or 13, and including the step of subtracting the stored wavelet representation from the received impulse interference event.

5   15.   A method as claimed in Claim 12, 13 or 14 and including the step of estimating the wavelet representation to be stored.

16.   A method as claimed in Claim 12, 13, 15 or 15 and including the step of scaling the stored wavelet representation responsive to characteristics

10   of the received signal.